



Guardian Show

Wise
Relevant
Powerful





Improve your event coordination by using a simple and powerful intercom system.

The GUARDIAN SHOW is a standalone wireless intercom system designed for audiovisual productions and live events. Licence-free, it operates on 10 available radio channels with adjustable RF power, set between 829.250mHz and 869.525mHz, featuring 4 groups per channel and an unlimited number of users, within a wide and reliable radio range. Easy to set up, the GUARDIAN SHOW features 3 different radio and audio presets (Rigging, Live, Studio), in order to comply with a great variety of use cases, from a noisy stage building environment to the quietness of a studio set. For more specific setups, every parameter such as audio levels, transmitting power, voice priority status and other basic features can be adjusted either from each individual beltpack or from the configurator's intuitive touchscreen menu.



Licence-free



3 Performance Modes



**Standalone
(no base station)**



**Up to 4 Groups
(including Master Group)**



**Wide range without
additional antenna**



**Clear audio in both loud
and quiet environments**



**Fully adjustable Audio
and RF parameters**



Sharp latency



3 performance modes to match all types of events

A choice between 3 different presets is given during the Quick Configuration initial phase: *Rigging mode*, *Live mode* and *Studio mode*. Parameters of each preset can be individually adjusted afterwards.

3 separate Groups + 1 main Group

The system can be used within 3+1 group. Users of each group can speak and listen to every beltpack included in its group, in addition of speaking and listening to every beltpack included in Group 0 (main group). Users can jump from one group to another by using Channel trigger. Event director can therefore use Group 0 for general announcements, and also speak to each individual group when needed.

Adjustable RF power

The RF power of the entire system or of each individual beltpack can be set by end user. This option allows the compliance of the com system with any event's band plan.

Voice Priority option with general attenuation

One beltpack of the system can be set as the « Voice Priority » beltpack. When Voice Priority is on, any order from that particular beltpack will take over priority over the full duplex system, while incoming audio from other beltpacks is decreased of -20dB.

Compatible with other intercom systems

Our audio interface (Vokkero WI SHOW) enables to bridge GUARDIAN SHOW full duplex system with other wired or wireless intercom systems.

Optional Voice Activity Detector (VAD)

The Voice Activity Detector (VAD) is a selective algorithm that allows to communicate in extremely noisy environment. By opening the microphone path only when human voice is detected, the algorithm avoids loud noises to pass through coms. One big advantage of the VAD is to keep hands free while trussing and stage rigging.

Audio preset menu onboard every beltpack

Audio, Radio and System Functions can be adjusted directly from a simple menu onboard every beltpack.

Adjustable mic gate level

Each beltpack's mic gate can be adjusted with 4 preset levels : Hard, Mid, Soft and None. When adjusting the gate from the beltpack's menu, the side tone is heard post-gate, for easier tuning of the appropriate gate level.

Bluetooth option for remote guest through smartphone

When paired with a smartphone, the optional Bluetooth module allows to include a remote user calling from anywhere directly into the Full Duplex system.

Adjustable side tone

Heaset's side tone can be adjusted by user. Side Tone is muted when user's mic is not active, which gives the user a proper feedback of mic status.

3 mic activation modes (PTT – Latch)

Each beltpack can be set as PTT, Latch, or PTT+Latch modes. In PTT+Latch mode, a short push on the Mute button engages or disables the Latch (hands free – mic on/off), while a long push engages PTT until released.





The 4 wires audio interface gateway WI SHOW allows to connect GUARDIAN SHOW to other existing intercom systems

Each VOKKERO system is supplied with a transportation case and accessories.

TECHNICAL SPECIFICATIONS

Supply voltage	3.7V nominal
Maximum consumption	800mA (emission)
Terminal power supply	Lithium removal battery
Battery life	7 hours (permanent communication) to 11 hours (normal usage)
Recharging time	4 hours maximum
Operating temperature	-20°C / +55°C
Dimensions	70 x 110 x 28mm
Weight	190g (including battery)
Standards	See our Declaration of Conformity for applicable harmonized Standards
Encryption	AES 128 key
Audio sampling rate	16 KHz
Max. output power	500 mW
Modulation	GFSK
Frequencies	Royalty-free, no communication costs according to radio regulations in Europe (ETSI)

FREQUENCIES

Channels	Frequencies (MHz)	Line-of-Sight	Maximum (adjustable) Transmitting Power (mW)
EU1	869,525	1.2 km	500
EU2	829,750	1 km	100
EU3	830.750	1 km	100
EU4	831,750	1 km	100
EU5	830,250	1 km	100
EU6	831,250	1 km	100
EU7	829,250	1 km	100
EU8	863,500	300 m	10
EU9	864,500	300 m	10
EU10	868,300	500 m	25